

Mask Design System

FIGURE 1

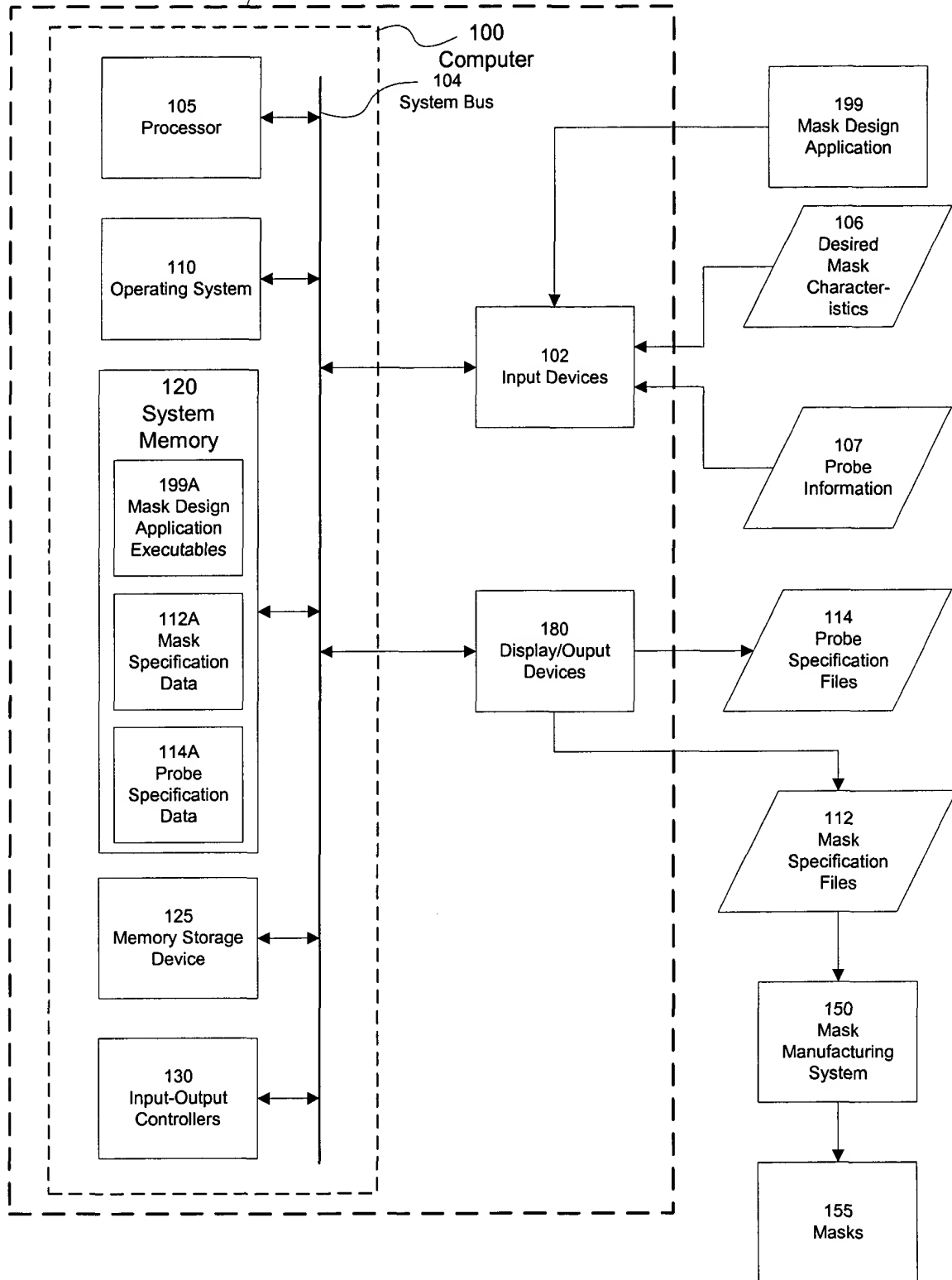




FIGURE 2B
(PRIOR ART)

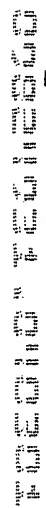
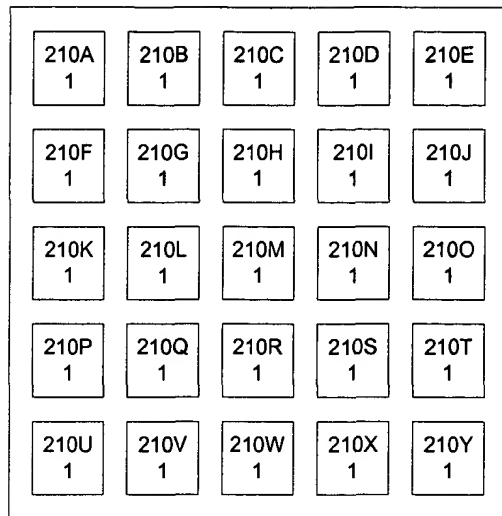


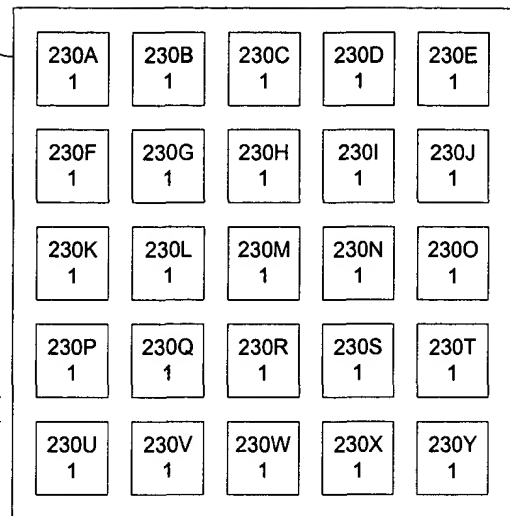
FIGURE 2C



155A-1
Mask

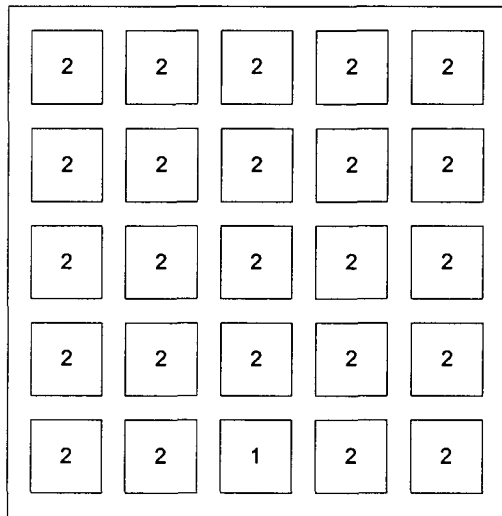
240
Wafer

FIGURE 2D



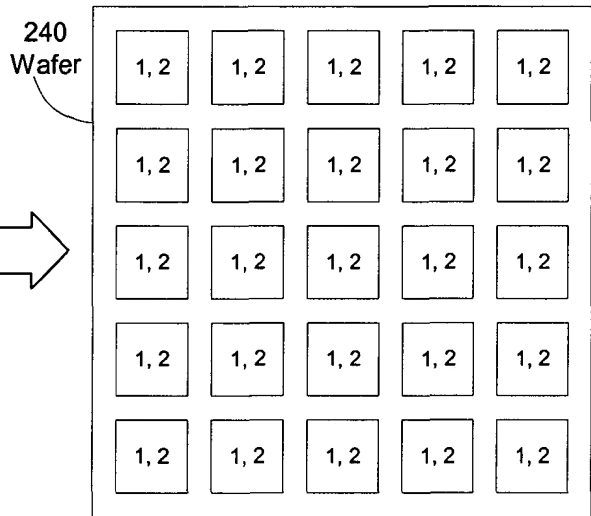
212
Dicing Offset
e.g., 3 mm

FIGURE 2G



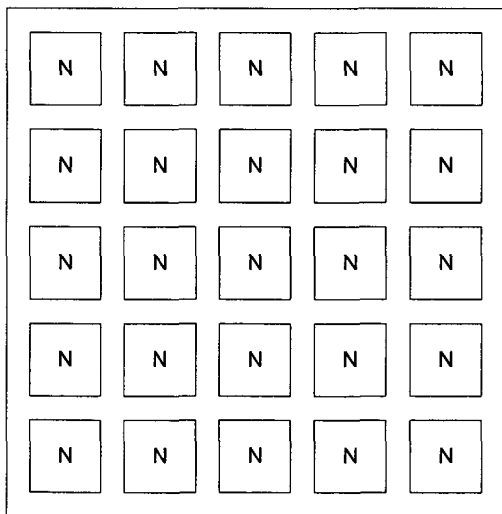
155A-2
Mask

FIGURE 2H

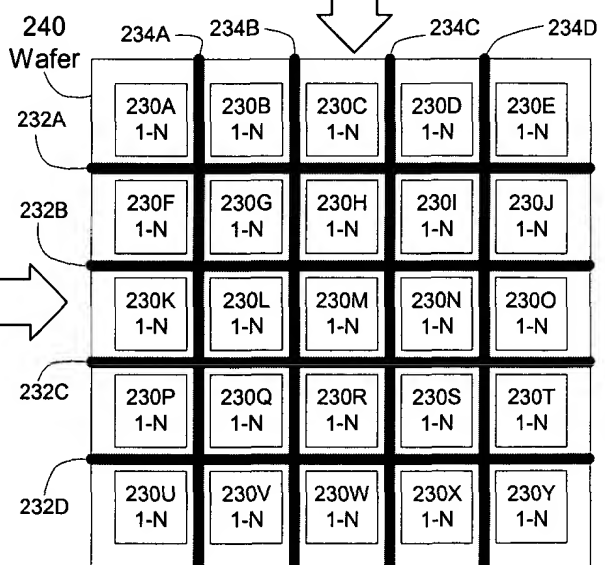


240
Wafer

FIGURE 2E



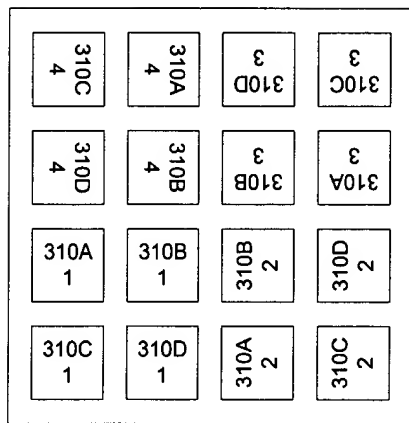
155A-N
Mask



240
Wafer

FIGURE 2F (PRIOR ART)

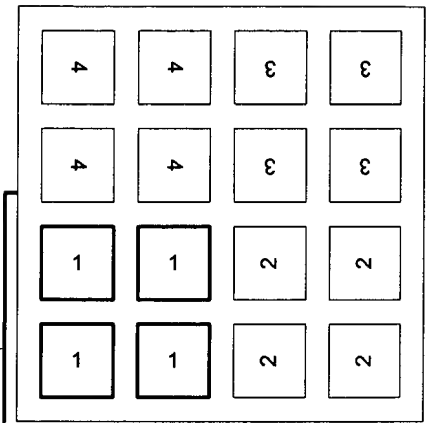
FIGURE 3A



155B
Mask

340
Wafer

FIGURE 3B



340
Wafer

FIGURE 3C

340
Wafer

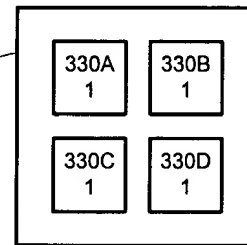
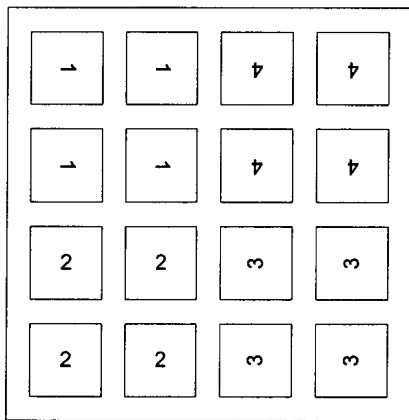


FIGURE 3C

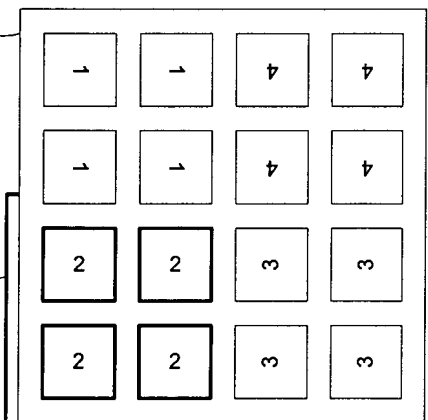


155B
Mask

340
Wafer

155B
Mask

FIGURE 3D



340
Wafer

FIGURE 3E

340
Wafer

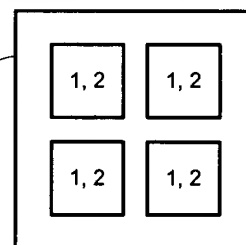
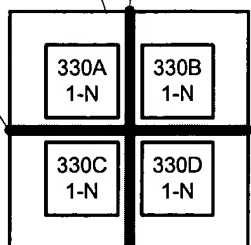


FIGURE 3F



340
Wafer

332

334

312
Dicing Offset
e.g., 3 mm

FIGURE 4A

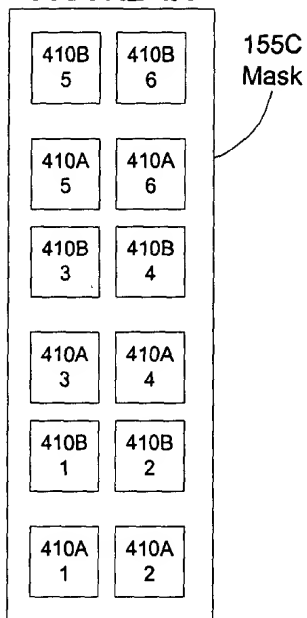


FIGURE 4B

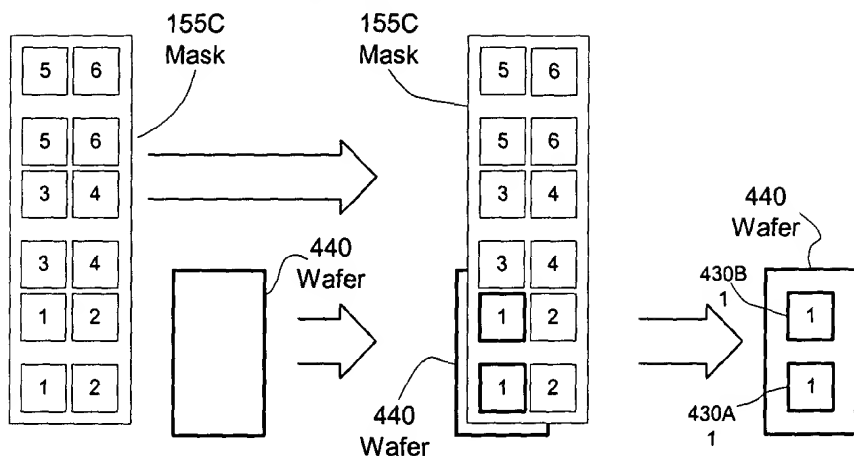


FIGURE 4C

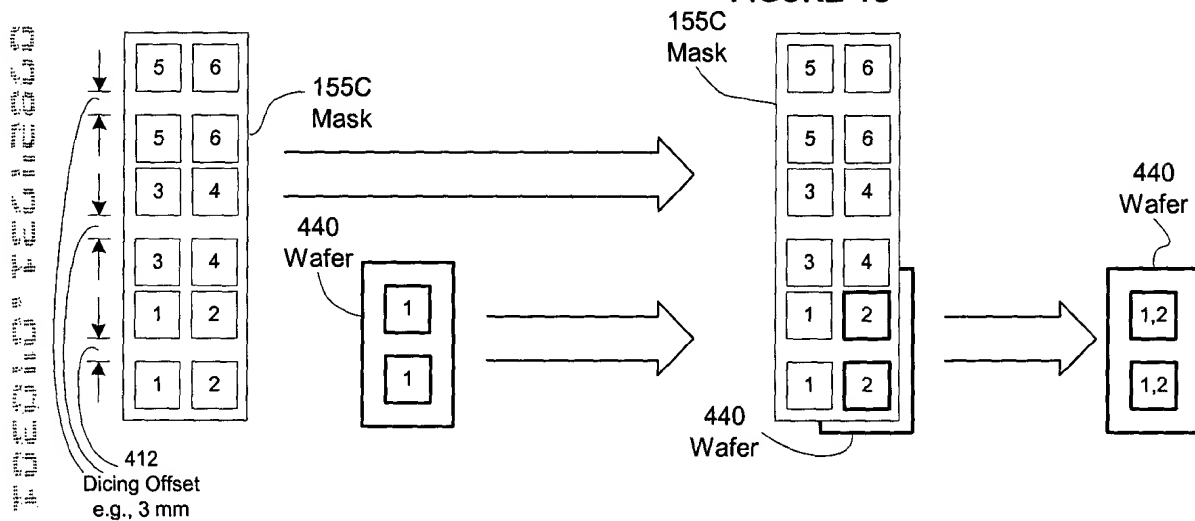


FIGURE 4D

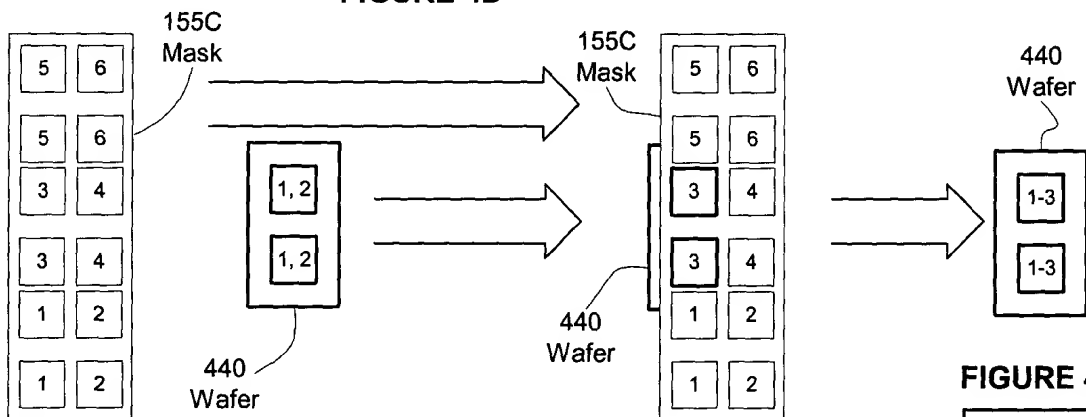


FIGURE 4E

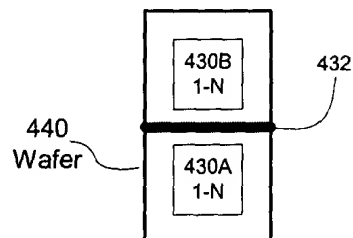


FIGURE 5A

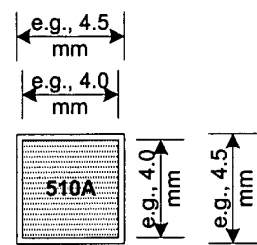


FIGURE 5B

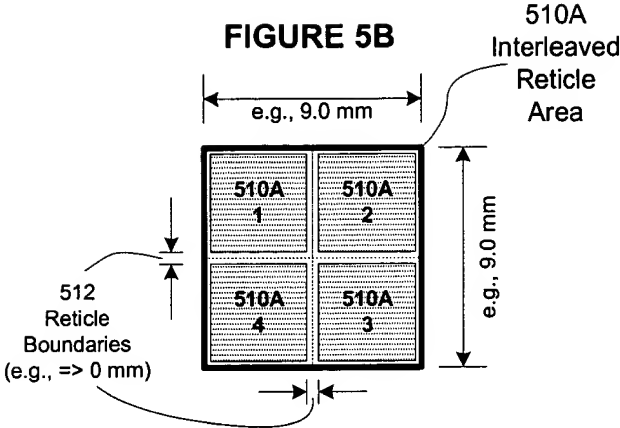


FIGURE 5C

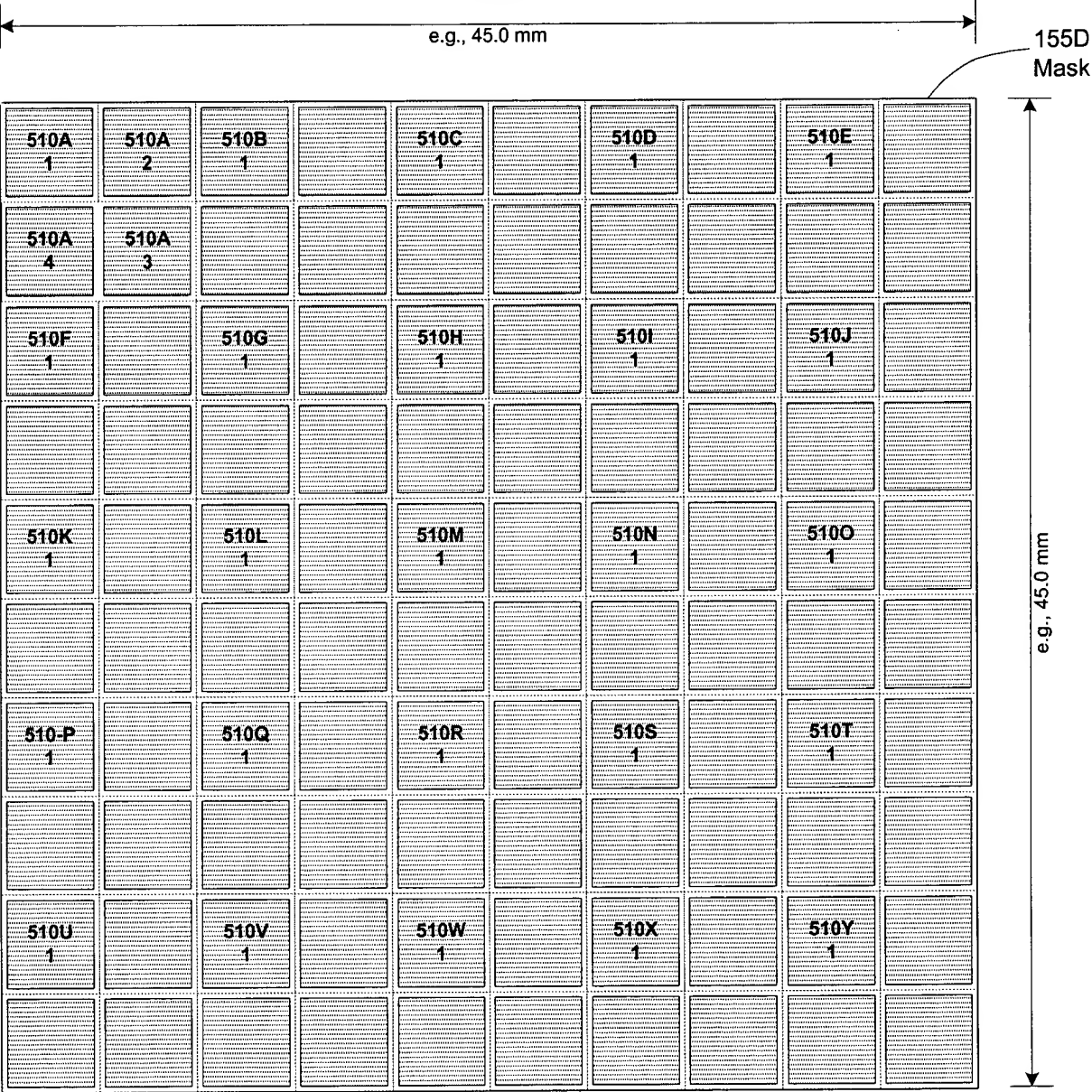


FIGURE 6A

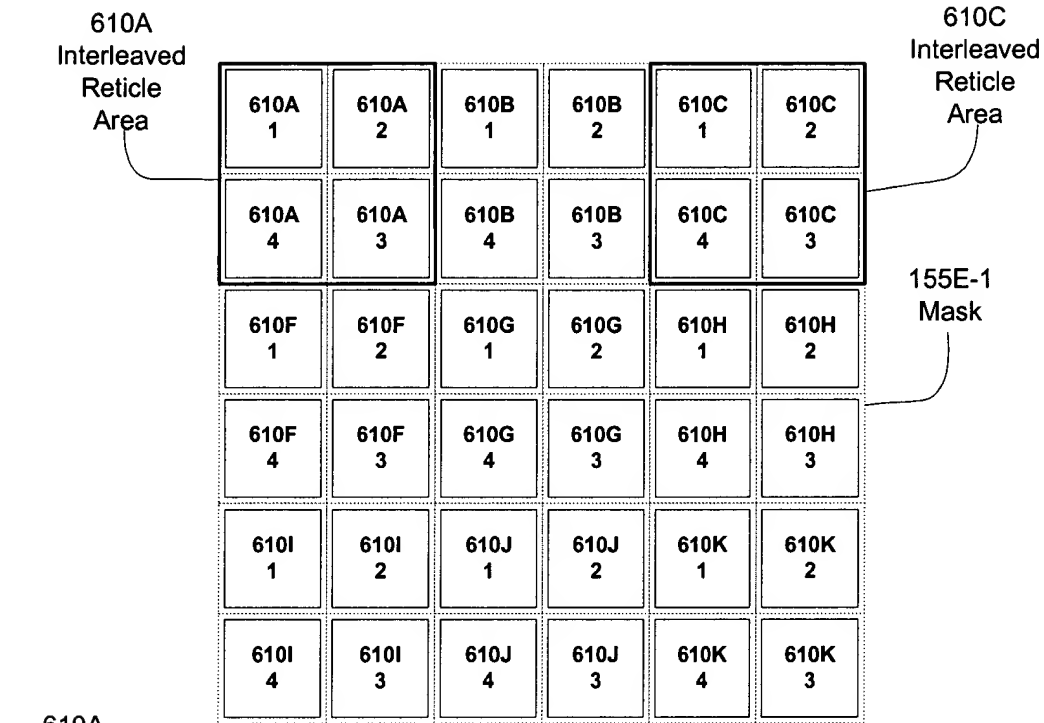


FIGURE 6B

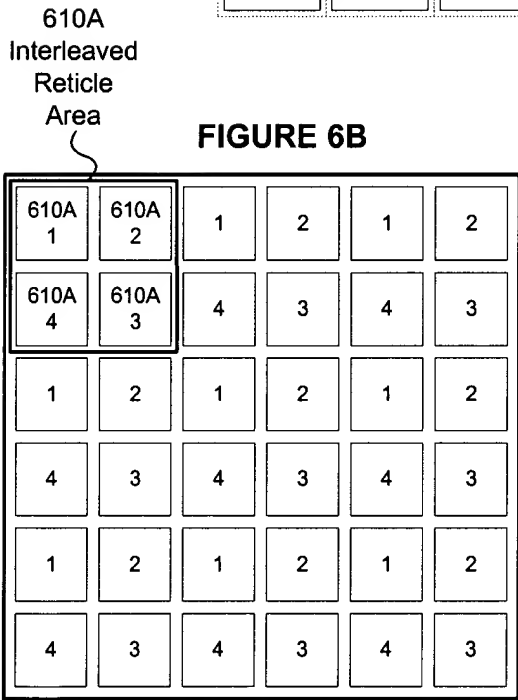


FIGURE 6C

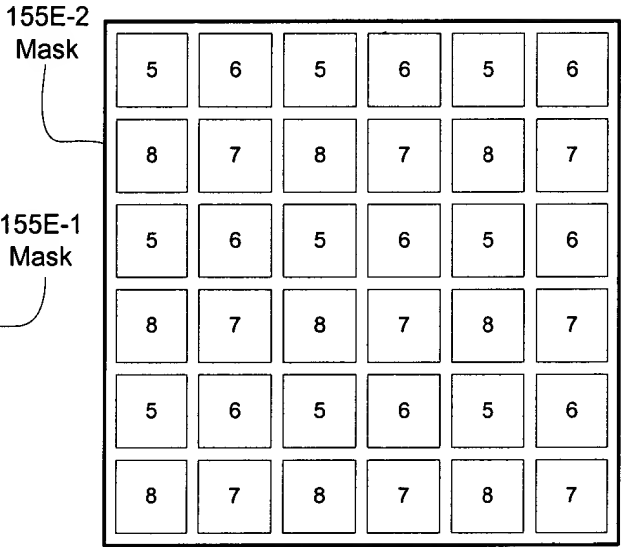


FIGURE 6D - STEP 1

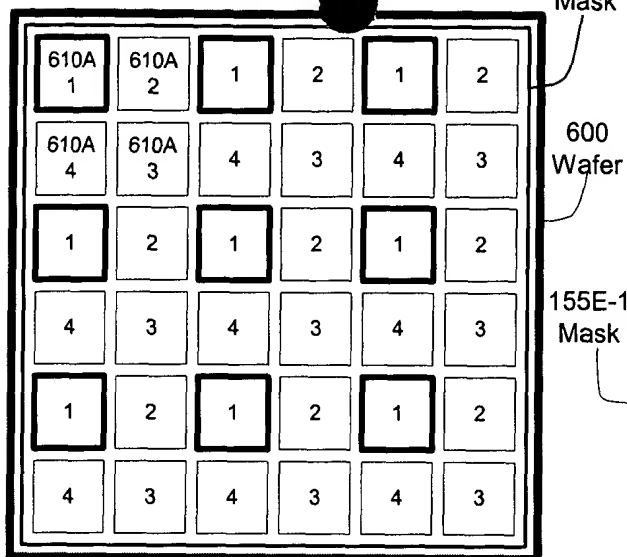


FIGURE 6E - STEP 2

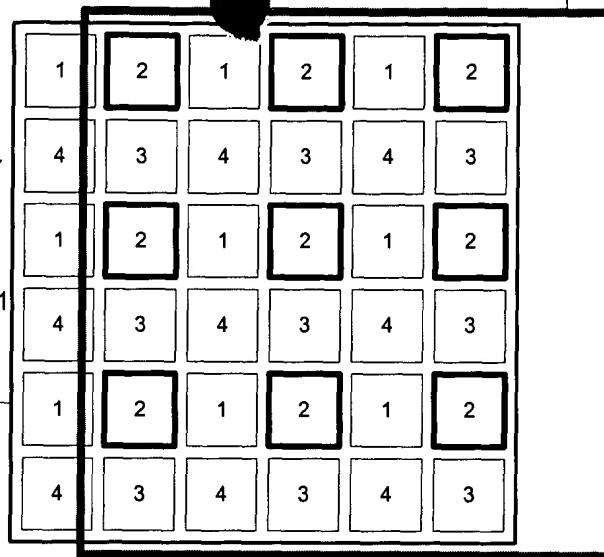


FIGURE 6F - STEP 3

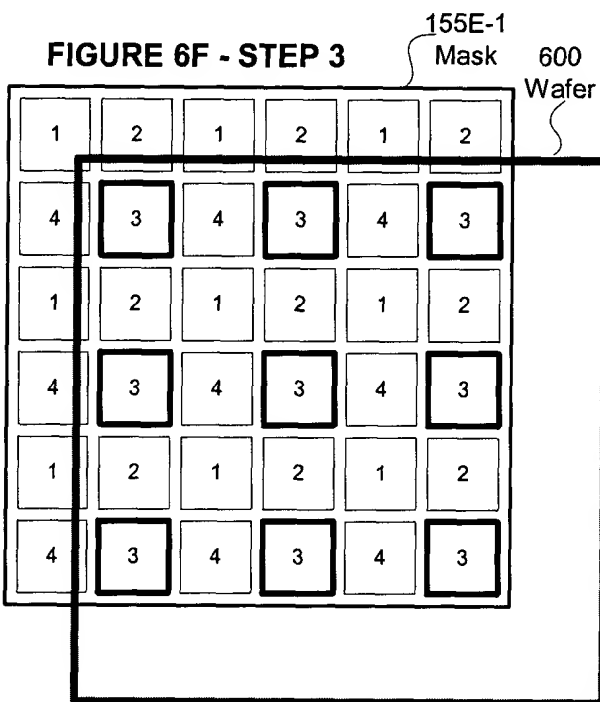


FIGURE 6G - STEP 4

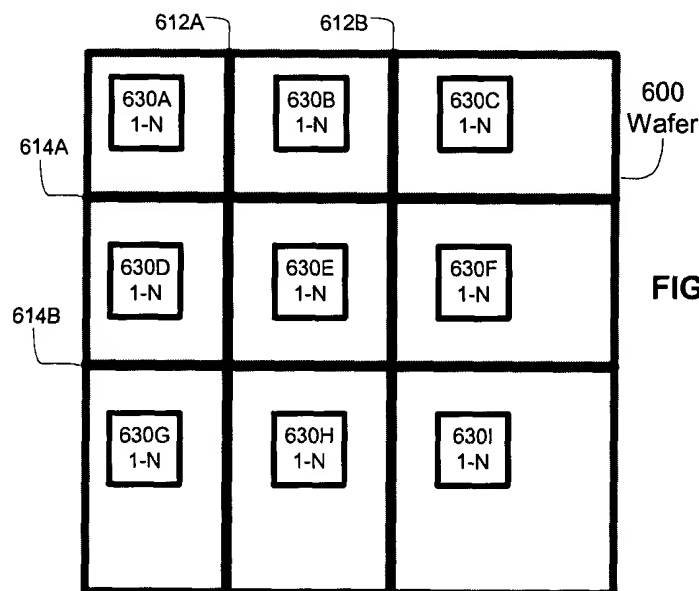
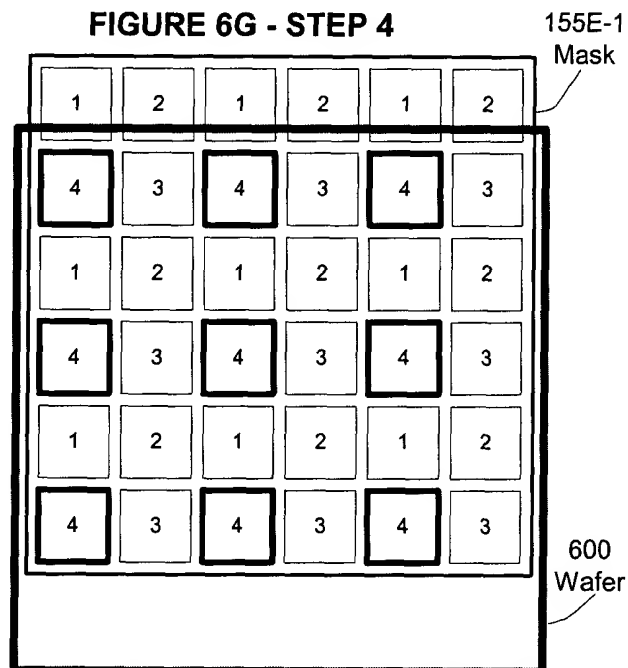


FIGURE 6H

FIGURE 6I

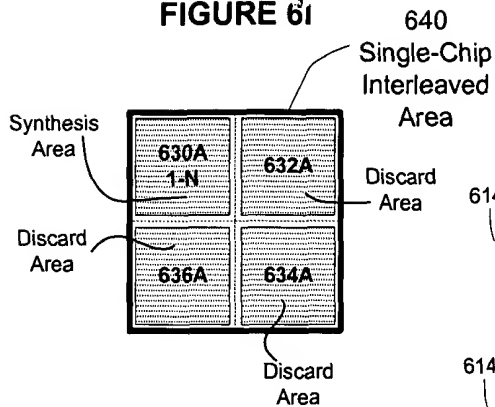


FIGURE 6J

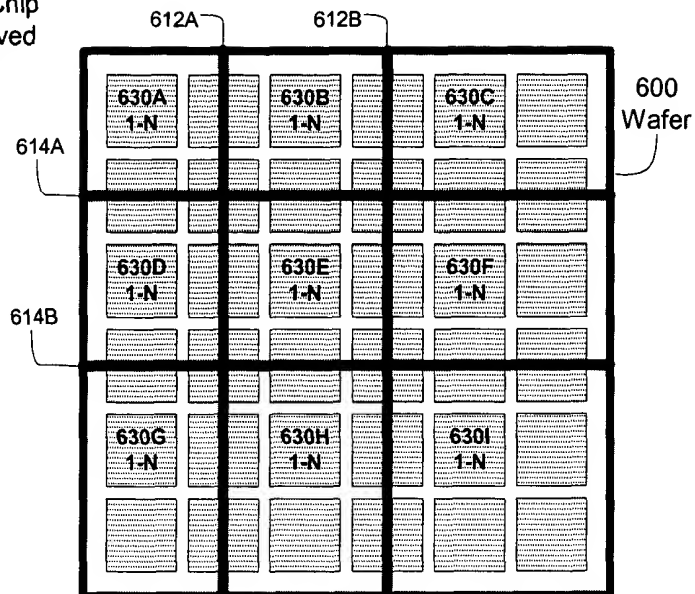


FIGURE 6K

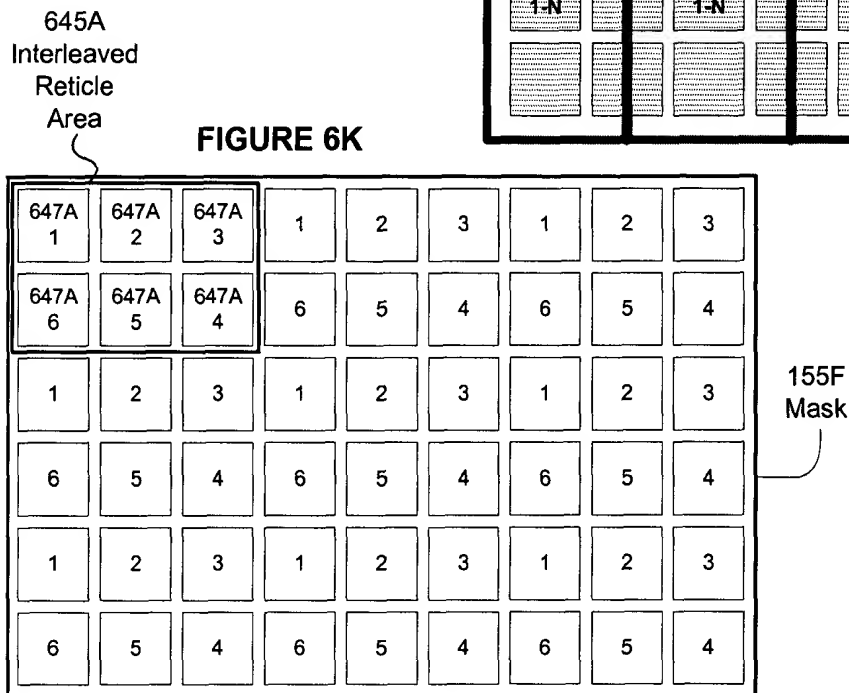


FIGURE 6L

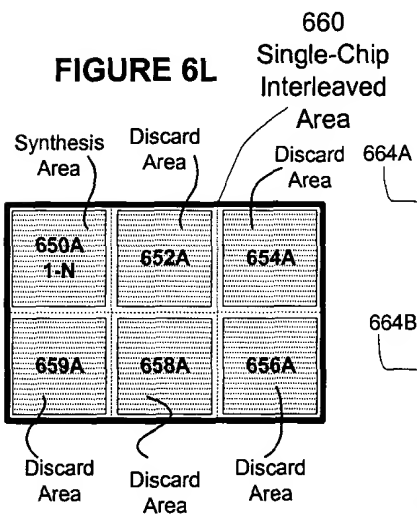


FIGURE 6M

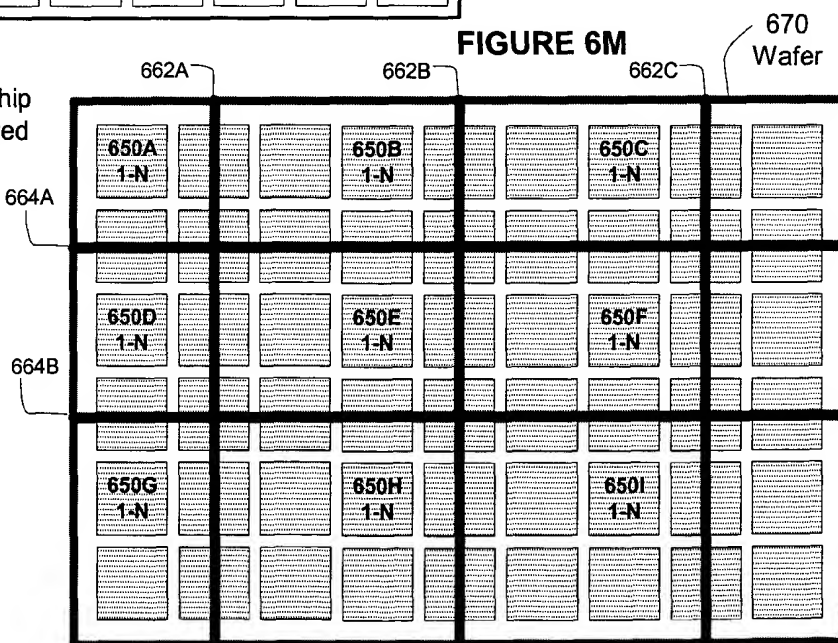


FIGURE 7

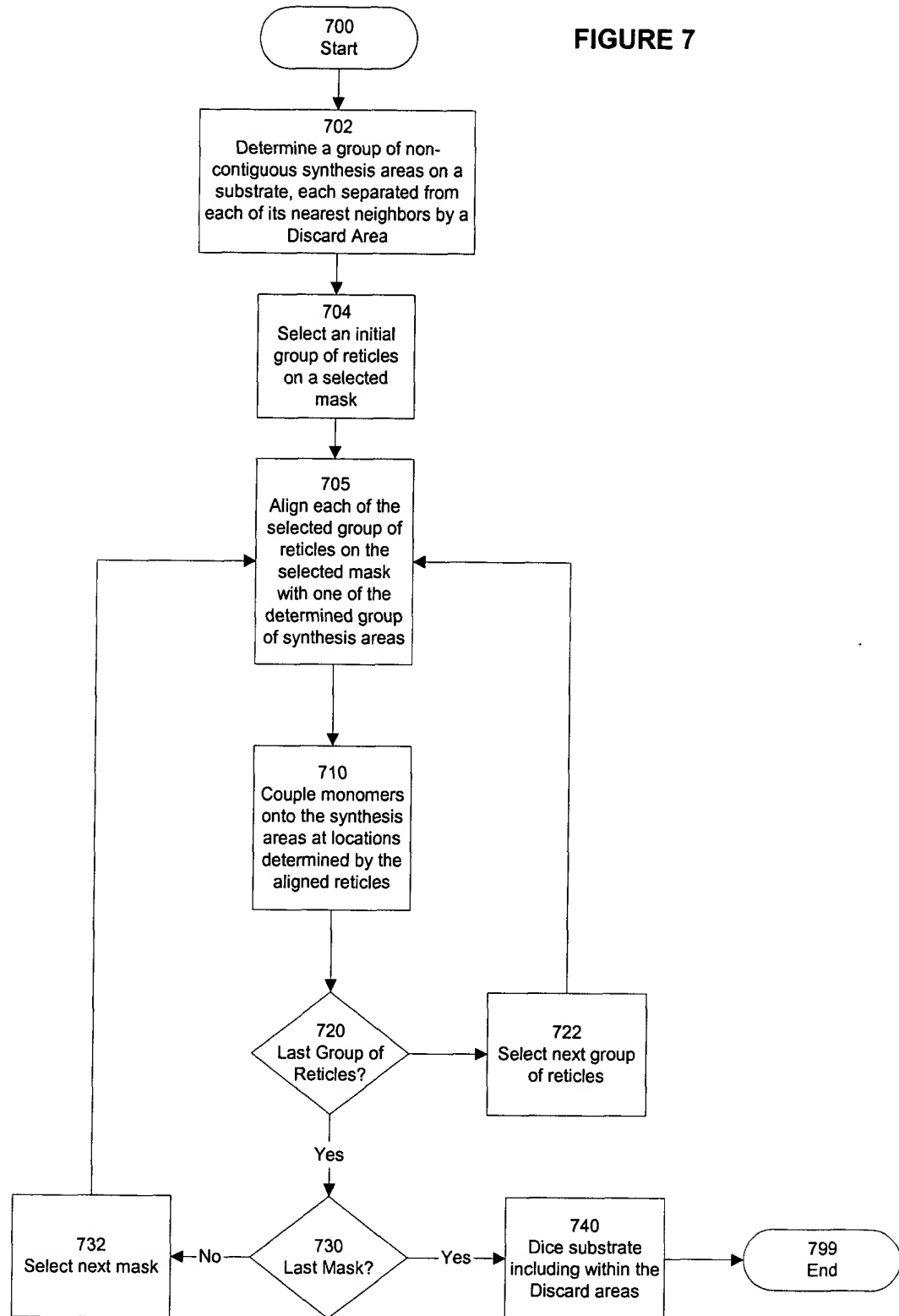


FIGURE 8

